

## METHODS AND APPARATUS FOR OPERATING GAS TURBINE ENGINES

### ABSTRACT OF THE DISCLOSURE

A combustion control system controls a turbine engine that includes a fuel manifold and a plurality of fuel injectors. The control system includes a fuel pulsator and a controller. The fuel pulsator is coupled in flow communication with the plurality of injectors and the fuel manifold. The controller is coupled to the fuel pulsator such that the pulsator is between the controller and the fuel manifold. The controller is variably selectable and configured to facilitate promoting stable combustion.